

Energy Collaborative Analysis Initiative Web Forum Planning

Web Forum Goals

- Create a series of web-based discussions that will help us collaborate on energy analysis data sources, analysis methodologies and analysis tools
- Identify specific needs for additional information or additional analysis (what decision-makers are looking for);
- Identify potential areas for collaboration (ways to effectively help each other)

Timing

Quarterly – January, April, July, December

January Forum

- **Topic:** GIS analysis tools. Presentations addressed how their organizations are using GIS tools for analysis of energy deployment opportunities. The presentations were followed by an open group discussion on use of GIS tools across participating organizations, on common analysis assumptions and methodologies, and the potential for teaming to improve GIS tools, methods, and analysis. Participants also asked questions, talked about their experiences, and shared additional information.
- **Speakers:** Rich Halvey, Western Governors' Association, Dora Yen Nakafuji and Elaine Sison-Lebrilla, California Energy Commission, and Gian Porro, National Renewable Energy Laboratory

Next Forum:

- **Date:** May 1, 2007
- **Topic: Portfolio analysis methodology.** Discuss different ways to make decisions about the relative value of investment across a portfolio and the impacts on R&D; what portfolio methods are most applicable in the energy sector? What are the standards of excellence and how can we create a Portfolio Analysis Center to share them?
- **Speakers:** Paul Decotis/NYSERDA (proposed), EPA representative, Thomas Jenkin/NREL, and Sam Baldwin/DOE-EERE

A few sample topics to consider:

- 1) **Benefits estimation metrics.** Discuss analysis activities that quantitatively and qualitatively estimate energy benefits, including environmental (human and ecological), economic, energy security and energy savings benefits. Identify information available and broadly applicable methodologies for cross-sector (cross-technology) comparisons.
- 2) **Improve regionality and transmission in electricity modeling.** Present information on coordinated effort between DOE-EIA, NREL and NETL to improve regionality and transmission representation in several models (SEDS, NEMS, etc.) and across models.
- 3) Understanding the **role of biofuels in transportation markets.** Market assessment, policy impacts, fuel availability. Technical and infrastructure implications of increased biofuels use – what will the transition look like? What will the end-state look like?
- 4) High penetration scenario **modeling/peak oil.** What might our future look like?
- 5) **Improve Behavioral Factor Modeling.** Identify new data sources, compare analytical methods and identify best practices of modeling behavioral factors in market-based or consumer-choice models. Consider how behavioral modeling can influence other market-based modeling.
- 6) Others suggestions welcome and encouraged